NEW MEXICO
ENVIRONMENT DEPARTMENT

SUSANA MARTINEZ
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Lieutenant Governor

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BUTCH TONGATE
Cabinet Secretary

J.C. BORREGO
Deputy Secretary

Certified Mail - Return Receipt Requested

June 5, 2017

Mr. Shannon Jones, Interim Public Utilities Director
City of Santa Fe
Santa Fe Wastewater Treatment Plant
73 Paseo Real
Santa Fe, NM 87507

Re: City of Santa Fe WWTP; Major; Individual Permit; SIC 4952; Compliance Evaluation Inspection; NPDES Permit NM0022292; May 17, 2017

Dear Mayor Roybal:

Enclosed please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and advised to modify your operational and/or administrative procedures, as appropriate. If you have comments on or concerns with the basis for the findings in the NMED inspection report, please contact us (see the address below) in writing within 30 days from the date of this letter. Further you are encouraged to notify in writing both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

David Long
US Environmental Protection Agency, Region VI
Enforcement Branch (6EN-WM)
Fountain Place
1445 Ross Avenue
Dallas, Texas 75202-2733

Sarah Holcomb
New Mexico Environment Department
Surface Water Quality Bureau
Point Source Regulation Section
P.O. Box 5469
Santa Fe, New Mexico 87502

If you have any questions about this inspection report, please contact Sandra Gabaldon at (505) 827-1041 or at sandra.gabaldon@state.nm.us.

Sincerely,

Shelly Lemon, Bureau Chief
Point Source Regulation Section
Surface Water Quality Bureau

cc: David Long, USEPA (6EN-WM) by e-mail
Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail
Gladys Gooden-Jackson, USEPA (6EN-WC) by e-mail
Darlene Whitten-Hill, USEPA (6EN-WC) by e-mail
Brent Larsen, USEPA (6WQ-PP) by e-mail
NMED District II, Robert Italiano, Manager, by e-mail

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type
N	NM0002229	170517	C	S	1

Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved
1	4	N	N	

SANTAFE WWTP MAJOR

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*
Santa Fe WWTP
73 Paseo Real
Santa Fe, NM 87507

SANTA FE COUNTY

Entry Time /Date
0850 Hours / May 17, 2017

Exit Time/Date
1400 Hours / May 17, 2017

Permit Effective Date
September 1, 2016

Permit Expiration Date
August 31, 2021

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)
Patricia Rosaker, Laboratory Manager / 505-955-4623
Luis Orozco, Plant Superintendent / 505-955-4615

Other Facility Data

SIC 4952 – Treatment Works (sector T)

Latitude: 35°37'30" North
Longitude: -106°05'19" West

Name, Address of Responsible Official/Title/Phone and Fax Number
Mr. Shannon Jones, Interim Public Utilities Director / 505-955-4622 / 505-955-4577
City of Santa Fe
73 Paseo Real
Santa Fe, NM 87507
swjones@ci.santa-fe.nm.us

Contacted
Yes ✔ No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	S	Flow Measurement	M	Operations & Maintenance	N	CSO/SSO
S	Records/Reports	S	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

Please see checklist and further explanations for details of findings

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
Sandra Gabaldon	NMED/SWQB/(505) 827-1041/(505) 827-0160	
Signature of Management QA Reviewer	**Agency/Office/Phone and Fax Numbers**	**Date**
Jennifer Foote, Municipal Team Lead	NMED/SWQB/(505) 827-0596/(505) 827-0160	

CITY OF SANTA FE WASTEWATER TREAMTENT FACILITY	PERMIT NO. NM0022292

SECTION A – PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS ☒ S ☐ M ☐ U ☐ NA (*FURTHER EXPLANATION ATTACHED NO)*

DETAILS:

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE	☒ Y ☐ N ☐ NA
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES	☐ Y ☐ N ☒ NA
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT	☒ Y ☐ N ☐ NA
4. ALL DISCHARGES ARE PERMITTED	☒ Y ☐ N ☐ NA

SECTION B – RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. ☒ S ☐ M ☐ U ☐ NA (*FURTHER EXPLANATION ATTACHED NO)*

DETAILS:

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs.	☒Y ☐ N ☐ NA
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE.	☒S ☐ M ☐ U ☐ NA
a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING	☒ Y ☐ N ☐ NA
b) NAME OF INDIVIDUAL PERFORMING SAMPLING	☒ Y ☐ N ☐ NA
c) ANALYTICAL METHODS AND TECHNIQUES.	☒ Y ☐ N ☐ NA
d) RESULTS OF ANALYSES AND CALIBRATIONS.	☒ Y ☐ N ☐ NA
e) DATES AND TIMES OF ANALYSES.	☒ Y ☐ N ☐ NA
f) NAME OF PERSON(S) PERFORMING ANALYSES.	☒ Y ☐ N ☐ NA
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE.	☒ S ☐ M ☐ U ☐ NA
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR.	☒ S ☐ M ☐ U ☐ NA
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA.	☒ Y ☐ N ☐ NA

SECTION C – OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. ☐ S ☒ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED YES)*

DETAILS:

1. TREATMENT UNITS PROPERLY OPERATED.	☒ S ☐ M ☐ U ☐ NA
2. TREATMENT UNITS PROPERLY MAINTAINED.	☐ S ☒ M ☐U ☐ NA
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED .	☒ S ☐ M ☐ U ☐ NA
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.	☒ S ☐ M ☐ U ☐ NA
5. ALL NEEDED TREATMENT UNITS IN SERVICE	☐ S ☒ M ☐ U ☐ NA
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED.	☒ S ☐ M ☐U ☐ NA
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED.	☒ S ☐ M ☐ U ☐ NA
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE.	☒ Y ☐ N ☐ NA
STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.	☒ Y ☐ N ☐ NA
PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.	☒Y ☐ N ☐ NA

CITY OF SANTA FE WASTEWATER TREAMTENT FACILITY	PERMIT NO. NM0022292

SECTION C – OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR?	☒ Y ☐ N ☐ NA
IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED?	☒ Y ☐ N ☐ NA
HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?	☒Y ☐ N ☐ NA
10.HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT?	☐ Y ☒ N ☐ NA
IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?	☐ Y ☐ N ☒ NA

SECTION D – SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED NO).*
DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT.	☒ Y ☐ N ☐ NA
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.	☒ Y ☐ N ☐ NA
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT.	☒ Y ☐ N ☐ NA
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT.	☒ Y ☐ N ☐ NA
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT.	☒Y ☐ N ☐ NA
6. SAMPLE COLLECTION PROCEDURES ADEQUATE	☒ Y ☐ N ☐ NA
a) SAMPLES REFRIGERATED DURING COMPOSITING.	☒ Y ☐ N ☐ NA
b) PROPER PRESERVATION TECHNIQUES USED.	☒ Y ☐ N ☐ NA
c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3.	☒ Y ☐ N ☐ NA
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT?	☒ Y ☐ N ☐ NA

SECTION E – FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED NO)*
DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. TYPE OF DEVICE 3' Parshall Flume	☒Y ☐ N ☐ NA
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.	☒ Y ☐ N ☐ NA
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED.	☒ Y ☐ N ☐ NA
4. CALIBRATION FREQUENCY ADEQUATE.	☒Y ☐ N ☐ NA
RECORDS MAINTAINED OF CALIBRATION PROCEDURES.	☒ Y ☐ N ☐ NA
CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.	☒ Y ☐ N ☐ NA
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE.	☒ Y ☐ N ☐ NA
6. HEAD MEASURED AT PROPER LOCATION.	☒ Y ☐ N ☐ NA
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES.	☒ Y ☐ N ☐ NA

SECTION F – LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS. ☒S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED NO)*
DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED *(40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)*	☒ Y ☐ N ☐ NA

CITY OF SANTA FE WASTEWATER TREAMTENT FACILITY	PERMIT NO. NM0022292

SECTION F - LABORATORY (CONT'D)

2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED ☐ Y ☐ N ☒ NA

3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. ☒ S ☐ M ☐ U ☐ NA

4. QUALITY CONTROL PROCEDURES ADEQUATE. ☒ S ☐ M ☐ U ☐ NA

5. DUPLICATE SAMPLES ARE ANALYZED. 10 % OF THE TIME. ☒ Y ☐ N ☐ NA

6. SPIKED SAMPLES ARE ANALYZED. 10 % OF THE TIME. ☒ Y ☐ N ☐ NA

7. COMMERCIAL LABORATORY USED. ☐ Y ☐ N ☐ NA

LAB NAME Bio-Aquatics

LAB ADDRESS 2501 Mayes Rd # 100, Carrollton, TX 75006

PARAMETERS PERFORMED WET testing

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. ☒ S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED YES).*

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	No	No	No	Slight	No	Ckear	

RECEIVING WATER OBSERVATIONS Water appeared clear, with no floatable solids

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. ☒ S ☐ M ☐ U ☐ NA *(FURTHER EXPLANATION ATTACHED NO).*
DETAILS:

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY. ☒ S ☐ M ☐ U ☐ NA

2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. ☒ S ☐ M ☐ U ☐ NA

3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: Surface disposal (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

SECTION I - SAMPLING INSPECTION PROCEDURES *(FURTHER EXPLANATION ATTACHED ___).*

1. SAMPLES OBTAINED THIS INSPECTION. ☐ Y ☐ N ☒ NA

2. TYPE OF SAMPLE OBTAINED

GRAB _____ COMPOSITE SAMPLE ___ METHOD _____ FREQUENCY

3. SAMPLES PRESERVED. ☐ Y ☐ N ☐ NA

4. FLOW PROPORTIONED SAMPLES OBTAINED. ☐ Y ☐ N ☐ NA

5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. ☐ Y ☐ N ☐ NA

6. SAMPLE REPRESENTATIVE OF VOLUME AND MATURE OF DISCHARGE. ☐ Y ☐ N ☐ NA

7. SAMPLE SPLIT WITH PERMITTEE. ☐ Y ☐ N ☐ NA

8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED. ☐ Y ☐ N ☐ NA

9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. ☐ Y ☐ N ☐ NA

City of Santa Fe Wastewater Treatment Plant
Compliance Evaluation Inspection
NPDES Permit Number NM0022292
Compliance Inspection Date: May 17, 2017

Introduction:

On May 17, 2017, Sandra Gabaldón and Daniel Valenta of the New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB) conducted a Compliance Evaluation Inspection (CEI) at the City of Santa Fe Wastewater Treatment Plant (WWTP). The City of Santa Fe WWTP has a design flow capacity of 13 MGD (million gallons per day) and is classified as a major municipal discharger under the federal Clean Water Act, Section 402, of the National Pollutant Discharge Elimination System (NPDES) permit program. It is assigned NPDES permit number NM0022292. This permit regulates the WWTP point source discharge to the Santa Fe River in Segment Code 20.6.4.113, NMAC *NEW MEXICO STANDARDS FOR INTERSTATE AND INTRASTATE SURFACE WATERS.*

The NMED performs a certain number of CEIs for the U.S. Environmental Protection Agency (USEPA), Region VI, under the NPDES permit program, in accordance with the federal Clean Water Act. USEPA uses these inspections to determine compliance with the NPDES permit program. This inspection report is based on information provided by the permittee's representatives, observations made by the NMED inspectors, and records and reports kept by the permittee and/or NMED.

Upon arrival at approximately 0900 hours, the inspectors met Mr. Luis Orozco, Plant Superintendent (Wastewater Certified Operator, Level 4). During the entrance interview, the inspector presented her credentials, made introductions and explained the purpose of the inspection. A tour of the facility commenced thereafter. An exit interview to discuss the preliminary findings of the inspection was conducted at approximately 1400 hours on May 17, 2017, at the facility with Mr. Orozco and Mr. Shannon Jones, Interim Public Utilities Director.

Treatment Scheme:

The City of Santa Fe WWTP serves a population of approximately 75,000 residents, but during the summer months, the City of Santa Fe becomes a tourist destination and this increases the flow to the treatment plant.

The treatment plant is a conventional treatment process with a design capacity of 13 million gallons per day (MGD). The average flow currently is 6 MGD.

The headworks are comprised of various components used to remove larger debris from raw influent entering the plant. The barscreen is a fine screen type that can be flow actuated or ran by timer. Rocks fall into a rock collector ahead of the barscreen. The purpose of the barscreen is removal of cans, plastic products, paper, rags and other things too large to pass through the screen. These items are fed into the rag press, where most of the moisture is forced out of them by compression, and

discharged to the dumpsters placed under the chutes. The influent that passes through the barscreen is allowed to continue in the wastewater flow to two wet wells.

The grit removal system consists of various components including a grit tank, where flows are aerated just enough to allow inorganic waste (sand, glass, egg shells, etc.) to settle while allowing organics to float and pass through to a wet well. This is done by reducing the velocity of the wastewater enough so that the heavier particles settle to the bottom of the tank. The contents of this tank are pumped back to the grit separator by the grit pumps and washed to remove the organic matter that was attached to the grit. The grit with the help of an augur is dropped into a conveyor belt. The conveyor carries and drops the grit into a portable dumpster and is then disposed of at the landfill.

From the grit chamber, flow enters two 580,600 gallons primary clarifiers from a splitter box. The east clarifier was nonfunctional on the day of the inspection because a torque box was broken. The velocity is reduced in the primary clarifiers to allow the heavier organics to settle to the bottom of the tank and be removed by a scraper. The lighter material continues to float to the top and is removed by a skimmer arm. The solids removed from the bottom are removed from the clarifier and pumped to the digester.

After primary clarification, flow enters the aeration basins where nitrification and denitrification take place.

The secondary clarifiers allow the solids to settle further to the bottom of the tank. The clear effluent flows over the weirs and out of the tanks while the settleable solids are pumped from the clarifier to a wet well.

Flow then enters the final process of filtration at the disc filters and sand filters.

After the filtration process is complete, disinfection is achieved through ultraviolet light. The UV system can operate manually or automatically by monitoring the flows.

Post aeration is used to achieve the dissolved oxygen required by the permit. Two aerators aerate the effluent in the post aeration basin prior to being discharged to the Santa Fe River.

<u>SOLIDS</u>:

The DAF (dissolved air flotation) is used to thicken the sludge. The DAF operates by pressurizing water, above atmospheric pressure in a pressure tank. The pressurized water is introduced to a header along with pumped sludge and a polymer. The sludge, pressurized water, and polymer enters the actual DAF tanks. The thickened solids are then handled in either one of two ways: Anaerobic sludge digestion or lime stabilization.

Digesters are composed of a fixed cover primary digester with a capacity of 462,000 gallons and a floating cover secondary digester with a capacity of 453,000 gallons. The digesters are heated by two hot water boilers, with heat being transferred using spiral heat exchangers. The digester boilers

have the ability to be fueled by either natural or digester gas. The digester contents are also mixed using digester gas which is compressed and introduced into the mixing guns. Excess digester gas is burned off using a waste gas burner.

The second method used for sludge treatment is lime stabilization. Lime stabilization is done in a holding tank. Lime raises the sludge pH. The pH is raised to 12.0 s.u. and must remain at this pH for two hours.

After the sludge has been treated, storage of sludge is available prior to disposal. This allows the WWTP extra capacity prior to sludge surface injection in the adjacent field. The City of Santa Fe also employs composting as a means to reducing their sludge injection. The sludge cake is approximately 12% mixed with wood chips/hay and is formed into a windrow. The temperature of the windrow is maintained at 131 degrees or higher for fifteen days. The windrow is turned a minimum of five times while maintaining the temperature. It is then stockpiled for approximately 30-60 days prior to being sold to the public.

RE-USE:

The facility also sells effluent to the following:

1. The Santa Fe Country Club
2. City of Santa Fe Municipal Recreation Complex
3. The Marty Sanchez Golf Club

Further Explanations:

Note: The sections are arranged according to the format of the enclosed EPA inspection checklist (Form 3560-3), rather than being ranked in order of importance.

Section C – Operation and Maintenance – Overall Rating "Marginal"

The permit requires in Part III, Section B. Proper Operation and Maintenance:

> a. *The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by permittee as efficiently as possible and in a manner which will minimize upsets and discharges of excessive pollutants and will achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit.*

Findings for Operation and Maintenance:

The east clarifier is nonfunctional. The torque box needs to be replaced prior to it being placed back into service.

The north grit chamber is offline to remove solids from the bottom. The south grit chamber is functional.

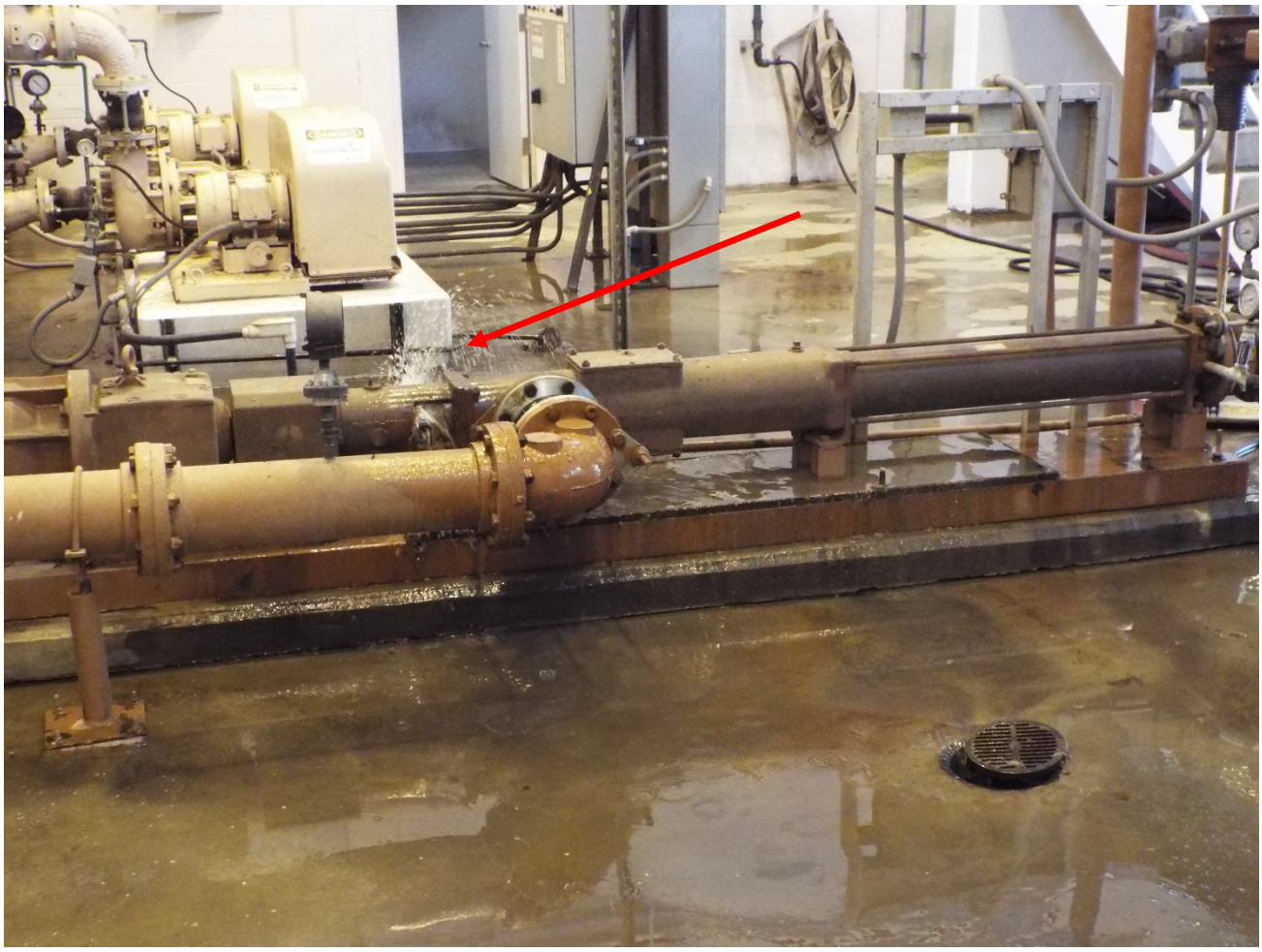
At the headworks, a pipe is leaking. (Photo #1)

All these issues are related to scheduled and/or preventative maintenance. The issues were discussed during the exit interview. Mr. Orozco stated he will discuss the maintenance issues at their monthly meeting with the maintenance supervisor to determine why these issues are not being addressed in a timely manner.

The facility has also had a few reported exceedances of their E. coli limits. They have been troubleshooting the Ultraviolet System (UV system) to determine what the cause may be. Mr. Orozco stated that when the effluent is sampled at the post aeration basin, it is zero. But, when E. coli is sampled at the effluent point, the number increases. They are working with a contractor to determine what might be the cause of the increased E. coli after the post aeration basin.

NMED/SWQB
Official Photograph Log
Photo # 1

Photographer: Daniel Valenta	Date: May 17, 2017	Time: 0910 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: City of Santa Fe Wastewater Treatment Plant		
Subject: Leaking pipe in need of repair.		



NMED/SWQB
Official Photograph Log
Photo # 2

Photographer: Daniel Valenta	Date: May 17, 2017	Time: 0922 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: Santa Fe Wastewater Treatment Plant		
Subject: East Primary Clarifier - offline		

NMED/SWQB
Official Photograph Log
Photo # 3

Photographer: Daniel Valenta	Date: May 17, 2017	Time: 0923 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: Santa Fe Wastewater Treatment Plant		
Subject: West Primary Clarifier		

NMED/SWQB
Official Photograph Log
Photo # 4

Photographer: Daniel Valenta	Date: May 17, 2017	Time: 0953 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: Santa Fe Wastewater Treatment Plant		
Subject: Aeration Basin		

NMED/SWQB
Official Photograph Log
Photo # 5

Photographer: Daniel Valenta	Date: May 17. 2017	Time: 0953 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: Santa Fe Wastewater Treatment Plant		
Subject: Aeration Basin – Operator stated “normal” appearance this time of year.		

NMED/SWQB
Official Photograph Log
Photo # 6

Photographer: Daniel Valenta	Date: May 17, 2017	Time: 1008 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: Santa Fe Wastewater Treatment Plant		
Subject: Secondary Clarifier		

NMED/SWQB
Official Photograph Log
Photo # 7

Photographer: Daniel Valenta	Date: May 17, 2017	Time: 1032 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: Santa Fe Wastewater Treatment Plant		
Subject: Post Aeration Basin (DO limit in permit)		

NMED/SWQB
Official Photograph Log
Photo # 8

Photographer: Daniel Valenta	Date: May 17, 2017	Time: 1034 Hours
City/County: City of Santa Fe / Santa Fe County		State: New Mexico
Location: Santa Fe Wastewater Treatment Plant		
Subject: Effluent discharge to Santa Fe River, NMAC Segment 20.6.4.113